

Appl. No. 10/090,358
Amdt. dated December 20, 2005
Reply to Office action of June 20, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A negative pressure therapy device, comprising:

a screen means for placement within a wound bed;

a sealing means adhered over said screen means and wound bed;

a vacuum source fluidically communicating with said screen means; and

a fluid compositional sensing device interposed between said screen means and said vacuum source;

wherein the fluid compositional sensing device senses compositional characteristics of unfiltered wound fluid from the wound bed.

Claim 2 (currently amended): The negative pressure therapy device of claim 1 wherein said fluid compositional sensing device ~~is comprised of~~ comprises a gas chromatograph.

Claim 3 (currently amended): The negative pressure therapy device of claim 2 wherein said gas chromatograph ~~is comprised of~~ further comprises a photo diode operable in optical proximity to fluids being drawn from the wound site towards said vacuum source.

Claim 4 (currently amended): The negative pressure therapy device of claim 1 wherein said fluid compositional sensing device is comprised of a sensor array.

Claim 5 (currently amended): The negative pressure therapy device of claim 1 further comprising a collection canister interposed between said screen means and said fluid compositional sensing device.

Claim 6 (currently amended): A negative pressure therapy device, comprising:

a screen means for placement within a wound bed;

a sealing means adhered over said screen means and wound bed;

a vacuum source fluidically communicating with said screen means;

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a collection canister interposed between said screen means and said vacuum source; and
a fluid compositional sensing device for detecting infection;
wherein the fluid compositional sensing device senses compositional characteristics of unfiltered wound fluid from the wound bed, said compositional characteristics indicative of said infection within the wound.

Claim 7 (currently amended): The negative pressure therapy device of claim 6 wherein said fluid compositional sensing device is embedded within said screen means.

Claim 8 (currently amended): The negative pressure therapy device of claim 6 wherein said fluid compositional sensing device is disposed on said sealing means, such that said fluid compositional sensing device is in contact with said screen means.

Claim 9 (currently amended): The negative pressure therapy device of claim 6 wherein said fluid compositional sensing device is disposed within said canister.

Claim 10 (currently amended): The negative pressure therapy device of claim 6 further comprising a flexible conduit for communicating between said screen means and said vacuum source.